

Notice of Allowability

Application No.

09/802,716

Examiner

George C. Neurauter, Jr.

Applicant(s)

SALAMA, HUSSEIN FAROUK

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Response filed 2 February 2006.
2. ☒ The allowed claim(s) is/are 1-12 and 14.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


DAVID WILEY
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

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EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Julie Reed (Reg. No. 35,349) on 28 March 2006.

A complete listing of the currently presented claims in accordance with the standards provided by 37 CFR 1.121 is as follows:

1. A method for providing virtual private networks for voice over data network applications, the method comprising:

creating at least two routing information databases on a location server;

defining a voice virtual private network having a virtual private network identification such that each virtual private network corresponds to one of the routing information databases, wherein each routing information database maintains information for the virtual private network having a given virtual private network identification;

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receiving registration information from at least two gateways in communication with the location server, wherein the registration information allows identification of a virtual private network; and

associating each gateway with one of the voice virtual private networks by associating each gateway with a virtual private network identification.

2. The method of claim 1, wherein the method further comprises assigning an identifier for each virtual private network.

3. The method of claim 1, wherein the method further comprises communicating the registration information to other location servers in the same network telephony administrative domain.

4. The method of claim 1, wherein the data network uses Internet Protocol.

5. The method of claim 4, wherein the routing information database is a telephony routing over IP routing information base.

6. The method of claim 1, wherein the method further comprises linking a global routing information database to a routing information database for a particular virtual private network.

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7. A network device, comprising:

more than one routing information database wherein each routing information database is associated with a different virtual private network, the virtual private network identifiable by a virtual private network identification;

at least one port operable to receive registration information from gateways in communication with the network device; and

an association table operable to associate each routing information base with a different virtual private network and each gateway with a different routing information base.

8. The network device of claim 7, wherein the device further comprises an interface through which the device communicates with other devices having routing information databases to synchronize information contained in the routing information databases between the devices.

9. The network device of claim 7, wherein the device is a server.

10. The network device of claim 7, wherein the device is a router.

11. An article ~~including instructions~~ comprising a processor having instructions stored in memory that, when executed, result in:

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creation of at least two routing information databases on a network device;

association of a different voice virtual private network with each routing information database such that each routing information database is associated with a different virtual private network by a virtual private network identification;

reception of registration information from gateways in communication with the location server; and

association of each gateway with one of the virtual private networks.

12. The article of claim 10, wherein the ~~article~~ instructions further ~~comprises~~ comprise a downloadable file.

13. (canceled)

14. A network device, comprising:

means for providing more than one routing information base;

means for defining a voice virtual private network such that each virtual private network corresponds to one of the routing information databases, wherein each routing information database is associated with a different virtual private network, the virtual private network identifiable by a virtual private network identification;

means for receiving registration information from gateways in communication with the network device; and

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means for associating each gateway with one of the voice virtual private networks.

Allowable Subject Matter

Claims 1-12 and 14 are allowed in view of the Applicant's arguments and the cited prior art of record. Claims 1-12 and 14 recite associating virtual private networks with respective routing information databases using a virtual private network identification which, along with the rest of the claim limitations, are distinguished from the prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to George C. Neurauter, Jr. whose telephone number is (571) 272-3918. The examiner can normally be reached on Monday through Friday from 9AM to 5:30PM Eastern.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wiley can be reached on (571) 272-3923. The fax phone number for the

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organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/gcn/


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